

Field Ticket Number: 0903385455		Field Ticket Date: Thursday, June 30, 2016		Planning Order #: NA	
Bill To: HYDRO RESOURCES 13027 CR 16 FORT LUPTON 80621		Job Name: Production Single Bend 1st Order Type: ZOH Well Name: ECCV DI-2 Company Code: 1100 Customer PO No.: NA AFE: Shipping Point: Fort Lupton CO Sales Office: Rocky Mountains BD Well Type: WATER Well Category: Development Rig Name#: CADE 24			
Ship To: ECCV DI-2 WELD LOCHBUIE 80603		T 5/8 Long string			

Material	Description	QTY	UOM	Unit Amount	Gross Amount
392189	CMT MULTIPLE STAGES BOM	1.00	JOB	0.00	0.00
2	MILEAGE FOR CEMENTING CREW Number of Units	20.00 1	MI	5.78 USD/1 MI	115.20
1	ZI-MILEAGE FROM NEAREST HES BASE/UNIT Number of Units	20.00 1	MI	9.79 USD/1 MI	195.80
16093	MSC PUMP CHARGE (1ST STAGE) ZI FEET/METERS (FT/M) DEPTH	1.00 FT 9088	EA	13,534.00 USD/1 EA	13,534.00
16	MULTIPLE STAGE CEMENTING Number of Units	2.00 1	STG	5,055.00 USD/1 STG	10,110.00
76400	MILEAGE CMT MTL'S DEL/RET MIN NUMBER OF TONS	10.00 133.975	MI	3.35 USD/1 MI	4,488.16
3965	HANDLE&DUMP SVC CHR'G CMT&ADDITIVES ZI Unit of Measurement NUMBER OF EACH	3,485.00 EA 1	CF	5.49 USD/1 CF	19,132.55
	First Stage				
	11.5# Tuned Spacer III				
483826	SBM CMT Tuned Spacer II	40.00	EBL	293.00 USD/1 BBL	11,720.00
100003681	CHEM BARITE BLK (Spacer) Barite	60.00	SK	31.07 USD/1 SK	1,864.20
	13.8# ExpandaCem				
452979	CMT ExpandaCem (TM) system Cement	302.00	SK	0.00	36,091.13
	Second Stage				
	11.5# Tuned Spacer II				
483826	SBM CMT Tuned Spacer II	40.00	EBL	293.00 USD/1 BBL	11,720.00
100003681	CHEM BARITE BLK (Spacer) Barite	60.00	SK	31.07 USD/1 SK	1,864.20
	13.2# ElastCem				
450261	CMT ElastCem (TM) system Cement	1,900.00	SK	0.00	252,550.14
	15.8# HalCem				
452986	CMT HalCem (TM) system Cement	90.00	SK	0.00	8,491.92
	Third Stage				
	13.5# SwiftCem Primary				
452990	CMT SwiftCem (TM) system Cement	302.00	SK	0.00	18,943.95
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT) ZI HR/DAY/WEEK/MTH/YEAR/JOB/RUN HOURS	1.00 H 12	EA	1,138.00 USD/1 EA	13,656.00
101216940	CHEM Pol-E-Flake 25 lb bag	25.00	LB	8.31 USD/1 LB	207.75

HALLIBURTON

Field Ticket

RECONCILED

Field Ticket Number: 0903385455		Field Ticket Date: Thursday, June 30, 2016		Planning Order #: NA	
Bill To: HYDRO RESOURCES 13027 CR 16 FORT LUPTON 80621		Job Name: Production Single Blend 1st Order Type: ZOH Well Name: ECCV DI-2 Company Code: 1100 Customer PO No.: NA AFE: Shipping Point: Fort Lupton CO Sales Office: Rocky Mountains BD Well Type: WATER Well Category: Development Rig Name: CADE 24			
Ship To: ECCV DI-2 WELD LOCHSUE 80603					

Material	Description	QTY	UOM	Unit Amount	Gross Amount
45	Red Dye SPEC EQUIP CHRG NO PRICE ESTABLISHED ZI	200	EA	160.00 USD/1 EA	320.00
Totals				USD	403,057.10

HALLIBURTON

Field Ticket

Reconciled

Field Ticket Number: 0903368441	Field Ticket Date: Tuesday, June 21, 2016	Planning Order #: NA
Bill To: HYDRO RESOURCES 13027 CR 18 FORT LUPTON 80621	Job Name: 13 3/4" Surface Order Type: ZOH Well Name: ECCV DI-2 Company Code: 1100 Customer PO No.: 144350 AFE: Shipping Point: Fort Lupton CO Sales Office: Rocky Mountains BD Well Type: WATER Well Category: Development Rig Name#: CADE 24	
Ship To: ECCV DI-2 WELD LOCHBUIE 80603	10 3/4" Surface Casing	

Material	Description	QTY	UDM	Unit Amount	Gross Amount
7521	CMT SURFACE CASING BOM	1.00	JOB	0.00	0.00
2	MILEAGE FOR CEMENTING CREW Number of Units	30.00 1	MI	5.76 USD/1 MI	207.36
1	ZI-MILEAGE FROM NEAREST HES BASE/UNIT Number of Units	36.00 1	MI	9.79 USD/1 MI	352.44
18091	ZI - PUMPING CHARGE FEET/METERS (FT/M) DEPTH	1.00 FT 1757	EA	5.290.00 USD/1 EA	5.290.00
76400	MILEAGE CMT MTLS DEL/RET MIN NUMBER OF TONS	18.00 42.38	MI	3.35 USD/1 MI	2.555.51
3865	HANDLE&DUMP SVC CHRQ CMT&ADDITIVES ZI Unit of Measurement NUMBER OF EACH	915.00 EA 1	CF	5.49 USD/1 CF	5.023.35
	11.5# Tuned Spacer II				
483826	SBM CMT Tuned Spacer II Spacer	40.00	EBL	293.00 USD/1 EBL	11.720.00
100003681	CHEM. BARITE BULK Barite	59.00	SK	31.07 USD/1 SK	1.833.13
102068797	CHEM. D-A/R 5000, 50 LB SACK D-A/R 5000	10.00	LB	11.92 USD/1 LB	119.20
	13.5# SwiftCem				
452990	CMT SwiftCem (TM) system Cement	670.00	SK	0.00	38.250.96
	14.2# SwiftCem				
452990	CMT SwiftCem (TM) system Cement	110.00	SK	0.00	9.329.96
Totals				USD	71.681.83

HALLIBURTON

Customer: HYDRO RESOURCES
Job: Hydro Resources ECCV Dt-2 3 Stage
Case: Case 1 | SO#: 903385455

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Combined Pump Rate (bbl/min)	Downhole Density (ppg)	Pass-Side Pump Pressure (psi)	Comments
Event	1	Start Job	Start Job	6/29/2016	07:51:42	COM6	0.00	8.51	-2.00	
Event	2	Test Lines	Test Lines	6/29/2016	07:55:50	COM6	0.00	8.49	35.00	@4000 psi
Event	3	Pump Spacer 1	Pump Spacer 1	6/29/2016	08:24:26	COM6	0.00	8.41	2.00	40 bbls @ 11.5 ppg, verified with scales.
Event	4	Pump Cement	Pump Cement	6/29/2016	08:34:17	COM6	3.80	13.56	63.00	302 sks (89.82 bbls) Expandacem @ 13.8 ppg, verified with scales.
Event	5	Shutdown	Shutdown	6/29/2016	08:50:26	USER	1.00	13.16	77.00	
Event	6	Drop Plug	Drop Plug	6/29/2016	08:53:20	USER	0.00	13.73	-14.00	Dropped DHT dart, verified by customer rep.
Event	7	Clean Lines	Clean Lines	6/29/2016	08:58:33	USER	2.20	13.26	-10.00	washed pumps and lines to the cellar.
Event	8	Pump Displacement	Pump Displacement	6/29/2016	09:07:55	COM6	0.00	8.47	-17.00	425 bbls mud, first 90 fresh water.
Event	9	Comment	Comment	6/29/2016	09:36:49	USER	0.00	0.00	0.00	Turned over to rig to circulate
Event	10	Start Job	Start Job	6/29/2016	15:59:28	COM6	0.00	7.95	1.00	With water supplied from day tank, water tested good to mix cement.
Event	11	Test Lines	Test Lines	6/29/2016	16:02:01	COM6	0.00	8.17	49.00	@4000 psi.
Event	12	Pump Spacer 1	Pump Spacer 1	6/29/2016	16:14:16	COM6	0.00	8.30	8.00	40 Bbls tuned spacer @ 11.5 ppg, verified with scales.
Event	13	Pump Lead Cement	Pump Lead Cement	6/29/2016	16:26:48	COM6				1900 sks, 541 bbls @ 13.2 ppg, verified with scales.

iCem Service

(v. 4.2.393)

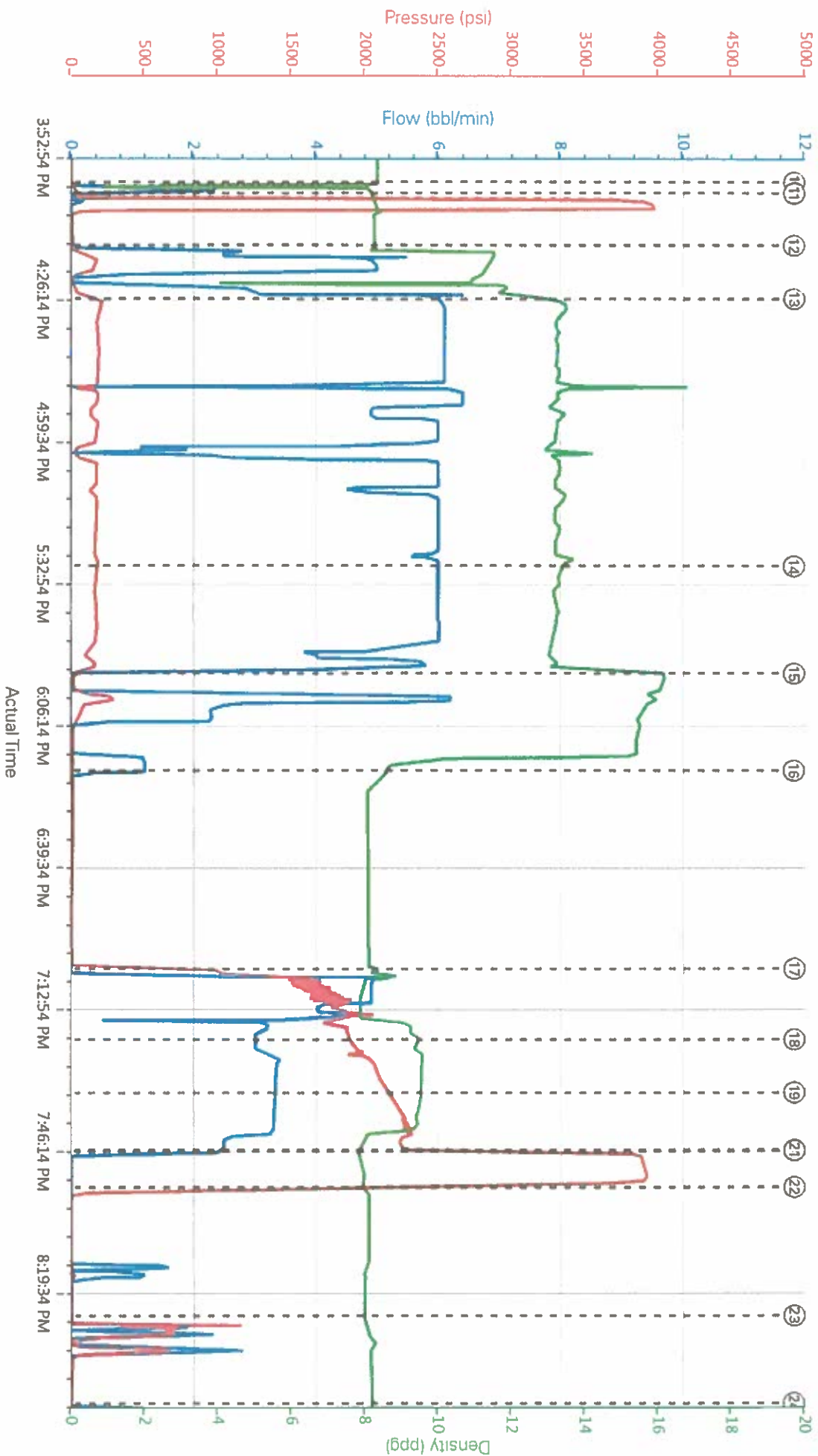
Created: Wednesday, June 29, 2016

HALLIBURTON

Customer: HYDRO RESOURCES
Job: Hydro Resources ECCV DI-2 3 Stage
Case: Case 1 | SO#: 903385455

Event	14	Check Weight	Check weight	6/29/2016	17:29:33	COM6			
Event	15	Pump Tail Cement	Pump Tail Cement	6/29/2016	17:54:47	COM6	0.00	16.15	13.00 90 sks, 24 bbls, tail @ 15.8 ppg, verified with scales.
Event	16	Shutdown	Shutdown	6/29/2016	18:17:33	USER	0.00	8.57	3.00
Event	17	Pump Displacement	Pump Displacement	6/29/2016	19:04:18	COM6			363 bbls, first 231 mud, 40 fresh water, 92 mud.
Event	18	Other	Spacer returns to surface	6/29/2016	19:20:53	COM6	3.00	9.42	1907.00 40 bbls cement to the pit.
Event	19	Other	Cement returns to surface	6/29/2016	19:33:18	COM6			39 bbls cement to the pit
Event	20	Bump Plug	Bump Plug	6/29/2016	19:46:50	COM6			@ 1500 psi over, final circulating pressure 2238
Event	21	Close Multiple Stage Cementer	Close Multiple Stage Cementer	6/29/2016	19:46:57	COM6			
Event	22	Check Floats	Check Floats	6/29/2016	19:55:33	USER	0.00	8.08	958.00 5 bbls back, floats good.
Event	23	Comment	Comment	6/29/2016	20:25:42	USER	0.00	7.97	-2.00 dropped stage cancel tool, could not get it to close tool.
Event	24	End Job	End Job	6/29/2016	20:46:13	COM6			

Hydro Resources ECCV DI-2 2nd Stage



Comb Pump Rate (bbl/min) DH Density (ppg) PS Pump Press (psi)

Actual Time

- ① Start Job 0.8 48.2
- ② Test Lines 0.8 49.35
- ③ Pump Spacer 1 0.8 41.2
- ④ Pump Cement 3.8 13.56 63
- ⑤ Shutdown 1.13 16.77
- ⑥ Drop Plug 0.13 74.14
- ⑦ Clean Lines 2.2 13.26 10
- ⑧ Pump Displacement 0.8 47.17
- ⑨ Comment 0.0 0
- ⑩ Start Job 0.7 19.1 57
- ⑪ Test Lines 0.8 17.49
- ⑫ Pump Spacer 1 0.8 3.8
- ⑬ Pump Lead Cement 6.13 46.2
- ⑭ Check weight 6.13 33.173

HALLIBURTON | iCem® Service

Created: 2016-06-29 02:40:56, Version: 4.2.393

Edit

Customer : HYDRO RESOURCES
Representative : Aaron Smith

Job Date : 6/29/2016 3:21:54 PM
Sales Order # : 903385455

Well : ECCV DI-2

Page 1 of 1

150% Primary
10% Second

40.5"

10 3/4" @ 1782

9 7/8"

OPEN HOLE 1782 - 9100'

7 5/8" 26.4"

2400 - Confinement

7 5/8" 26.4" cap
bbl/ft: .0471
ft/bbl: 21.20
ft/ft: .2148
ft/ft: 3.778

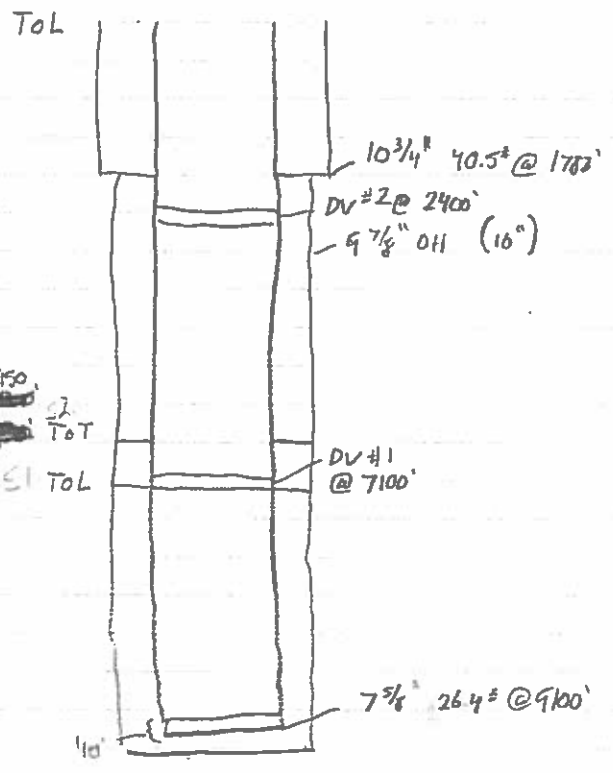
CS 7 5/8" to 9 7/8" OH
bbl/ft: .0382
ft/bbl: 26.1458
ft/ft: .3148
ft/ft: 4.6544
CS 7 5/8" to 10 1/4"
bbl/ft: .0416
ft/bbl: 24.02
ft/ft: .2338
ft/ft: 4.278

Stage #1 @ 9100'
2000'

41 - 7100

2000' x .0382 = 76.4 bbl
2000' x .2148 = 429.6 ft³
40' x .0171 = 1.884 bbl Sloe
40' x .2448 = 8.592 ft³ Sloe

78.284 bbl total w/o excess
~~1138.192~~ ft³ w/o excess
1138.192



Stage #2 Dve 7100

150' x 5.73
~~100'~~ x .0382 = 3.82 bbl tail
150' x .2148 = 32.22 ft³ tail

w/o excess
5.73 bbl tail
32.22 ft³ tail

5168' x .0382 = 197.4176 bbl lead
5168' x .2148 = 1110.0864 ft³ lead
1782' x .0416 = 74.1312 bbl lead
1782' x .2338 = 416.6316 ft³ lead

271.5488 bbl lead
1526.718 ft³ lead
277.2780 bbl total
1558.938 ft³ total

Stage #3 Dve 2400'

w/o excess

118' x .0382 = 23.6076
618' x .2148 = 132.7464
1782' x .0416 = 74.1312
1782' x .2338 = 416.6316

97.7388 bbl total
549.378 ft³ total

1782
010
100

5168
1782
6950
130
7100

STAGE 1

300 SX 13.6 @ 1,672 YIELD (15% XS OVER HOLE)
SHR WORK TIME MIN

STAGE 2

1900 SX 13.2 @ 1,574 YIELD LEAD (20% XS)
90 SX 15.8 @ 1,524 YIELD TAIL

STAGE 3

450 SX 13.5 @ 1,737 YIELD (10% XS)

MAIN OFFICE
1304 South 1200 East
Vernal, Utah 84078



(435) 789-1698
Fax: (435) 789-1692
Fax: (435) 789-1007

HAR EXCISE LAKE

I 94 20% 1138 B 78 B

II 282 + 22 10% 277 B
304 B

III 98 0% 98 B

496 9% 453 + NO EXCISE

EVANSTON, WY
105 Meadow Dr.
Evanston, WY 82930
307-789-1801

CASPER, WY
2110 Pyrite Rd.
Casper, WY 82604
307-234-1796

ROCK SPRINGS, WY
99 Reliance Rd.
Reliance, WY 82943
307-382-0930

GRAND JUNCTION, CO
2785 D Rd.
Grand Jct, CO 81504
307-382-0930

"SERVICE YOU'RE ENTITLED TO"

HYDRO RESOURCES

13027 CR 18
FORT LUPTON, CO, 80621
US

ECCV DI-2

WELD County, CO, US

Hydro Resources Injection Well

Proposal 203383 - Version 3.0
May 24, 2016

Submitted by:
Jacob Carpenter
13100 County Road 8
Fort Lupton, CO - 80621-8345
USA

Contents

1	Foreword	3
2	Service Center Contacts	3
3	10 3/4" Surface	4
3.1	Job Information 10 3/4" Surface	4
3.2	Estimated Calculations 10 3/4" Surface	5
3.3	Job Volume Estimates 10 3/4" Surface	6
3.4	Volume Estimate Table 10 3/4" Surface	7
3.5	Cost Estimate	8
4	Production NeoCem Option	10
4.1	Job Information Production NeoCem Option	10
4.2	Estimated Calculations Production NeoCem Option	11
4.3	Job Volume Estimates Production NeoCem Option	13
4.4	Volume Estimate Table Production NeoCem Option	16
4.5	Cost Estimate	18
5	Production Single Blend 1st	20
5.1	Job Information Production Single Blend 1st	20
5.2	Estimated Calculations Production Single Blend 1st	21
5.3	Job Volume Estimates Production Single Blend 1st	23
5.4	Volume Estimate Table Production Single Blend 1st	26
5.5	Cost Estimate	28
6	Proposal Cost Summary	30
7	Conditions	31

***Halliburton appreciates the opportunity to present
this cost estimate and looks forward to being of service to you.***

1 Foreword

Enclosed is our cost estimate for cementing the casing strings in the referenced well. The information in this cost estimate includes well data, calculations, materials requirements, and cost estimates. This cost estimate is based on information from our field personnel and previous cementing services in the area.

The selection and use of non-Halliburton plugs and casing attachments often compromises the holistic approach and may jeopardize the overall objective for effective zonal isolation. Furthermore, Halliburton is not involved in the design, manufacture or use of plugs and casing attachments supplied by other manufacturers and assumes no liability for their installation and operation. For this reason we recommend Halliburton plugs and casing attachments be used when Halliburton performs any zonal isolation operation.

Halliburton Energy Services recognizes the importance of meeting society's needs for health, safety, and protection of the environment. It is our intention to proactively work with employees, customers, the public, governments, and others to use natural resources in an environmentally sound manner while protecting the health, safety, and environmental processes while supplying high quality products and services to our customers.

We appreciate the opportunity to present this cost estimate for your consideration and we look forward to being of service to you. Our Services for your well will be coordinated through the Service Center listed below. If you require any additional information or additional designs, please feel free to contact myself or our field representative listed below.

2 Service Center Contacts

SERVICE CENTER:	Fort Lupton, CO
OPERATIONS MANAGER:	Matt Theis
SERVICE COORDINATOR:	Nicholas Wilson
TECHNICAL MANAGER:	Adam McKay

ACCT REP:	Jacob Carpenter
PHONE NUMBERS:	O: (303)655-4739
	M: (970)396-8774

3 10 3/4" Surface

3.1 Job Information 10 3/4" Surface

Job Criticality Status: GREEN

Well Name: ECCV

Well #: DI-2

Surface Open Hole

0 - 1750 ft (MD)

Inner Diameter

14.75 in

Excess Factor

35 %

Surface Casing

0 - 1750 ft (MD)

Outer Diameter

10.75 in

Inner Diameter

9.95 in

Linear Weight

45.5 lbm/ft

Casing Grade

P-110

Thread Type

STC

3.2 Estimated Calculations 10 3/4" Surface

Stage 1

CEMENT: (1535 ft fill)

$$1535 \text{ ft} * 0.5563 \text{ ft}^3/\text{ft} * 35 \% = 1153.18 \text{ ft}^3$$

$$13.5\# \text{ SwiftCem Lead} = 1153.18 \text{ ft}^3$$

$$= 205.4 \text{ bbl}$$

$$\text{Total Lead} = 662.40 \text{ sack}$$

CEMENT: (215 ft fill)

$$215 \text{ ft} * 0.5563 \text{ ft}^3/\text{ft} * 35 \% = 161.14 \text{ ft}^3$$

$$14.2\# \text{ SwiftCem Tail} = 161.14 \text{ ft}^3$$

$$= 28.7 \text{ bbl}$$

$$\text{Total Tail} = 105.11 \text{ sack}$$

Total Pipe Capacity:

$$1750 \text{ ft} * 0.54 \text{ ft}^3/\text{ft} = 944.96 \text{ ft}^3$$

$$= 168.3 \text{ bbl}$$

3.3 Job Volume Estimates 10 3/4" Surface

Stage 1

Fluid 1: Water Based Mud

Water Based Mud

Fluid Density: 9.8 lbm/gal

Volume: 0 bbl

Fluid 2: Rheologically Enhanced Spacer

11.5 lb/gal Tuned Spacer III

36.09 gal/bbl FRESH WATER

0 lbm/bbl FE-2

0 gal/bbl Musol(R) A

0 gal/bbl Pen-5M

0 gal/bbl Dual Spacer Surfactant B

146.50 lbm/bbl Barite

Fluid Density: 11.5 lbm/gal

Volume: 40 bbl

Fluid 3: Lead Slurry

SWIFTCEM (TM) SYSTEM

9.19 Gal/sk FRESH WATER

Fluid Weight: 13.5 lbm/gal

Slurry Yield: 1.741 ft³/sack

Total Mixing Fluid: 9.19 Gal/sack

Volume: 205.4 bbl

Top Of Fluid: 0 ft

Calculated Fill: 1535 ft

Calculated sack: 662.36 sack

Proposed sack: 670 sack

Fluid 4: Tail Slurry

SWIFTCEM (TM) SYSTEM

7.63 Gal/sk FRESH WATER

Fluid Weight: 14.2 lbm/gal

Slurry Yield: 1.533 ft³/sack

Total Mixing Fluid: 7.63 Gal/sack

Volume: 28.7 bbl

Top Of Fluid: 1535 ft

Calculated Fill: 215 ft

Calculated sack: 105.11 sack

Proposed sack: 110 sack

Fluid 5: Water Based Mud

Mud Displacement

Fluid Density: 9.8 lbm/gal

Volume: 168.3 bbl

3.4 Volume Estimate Table 10 3/4" Surface

Calculations are used for volume estimation. Well conditions will dictate final cement job design.

Stage 1

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate	Downhole Volume
1	MUD	Water Based Mud	9.8		0 bbl
2	SPACER	11.5 lb/gal Tuned Spacer III	11.5		40 bbl
3	CEMENT	13.5# SwiftCem Lead	13.5		670 sack
4	CEMENT	14.2# SwiftCem Tail	14.2		110 sack
5	MUD	Mud Displacement	9.8		168.3 bbl

NOTE: These slurries and spacers will require lab testing. The additives and concentrations are estimates based on field experience in the area and may need to be modified prior to the job. The proposed spacer is designed to be generally compatible with water base mud systems. Compatibility testing with field mud samples used may indicate changes in the additive package and the related costs.

3.5 Cost Estimate

Mtrl Nbr	Description	Qty	UOM	Unit Price	Gross Amt	Discount \$	Net Amount
7521	CMT SURFACE CASING BOM	1.00	JOB	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW Number of Units	20.00 1	MI	5.76	115.20	92.16	23.04
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	20.00 1	MI	9.79	195.80	156.64	39.16
16091	ZI - PUMPING CHARGE FEET/METERS (FT/M) DEPTH	1.00 FT 1750	EA	5,290.00	5,290.00	4,232.00	1,058.00
76400	MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	10.00 42.353	MI	3.35	1,418.83	1,135.06	283.77
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI Unit of Measurement NUMBER OF EACH	900.00 EA 2	CF	5.49	9,882.00	7,905.60	1,976.40
11.5# Tuned Spacer II							
483826	SBM, CMT, Tuned Spacer III	40.00	BBL	293.00	11,720.00	9,493.20	2,226.80
100003681	CHEM, BARITE, BULK <i>Barite</i>	59.00	SK	31.07	1,833.13	1,484.84	348.29
13.5# SwiftCem							
452990	CMT, SwiftCem (TM) system	670.00	SK	0.00	37,552.94	31,168.93	6,384.01
14.2# SwiftCem							
452990	CMT, SwiftCem (TM) system	110.00	SK	0.00	6,213.52	5,095.09	1,118.43
	Total Gross Amount						74,221.42
	Total Item Discounts						60,763.52
	Total Net Amount	USD					13,457.90

Mtrl Nbr	Description	Qty	UOM	Unit Price	Gross Amt	Discount \$	Net Amount
Optional Charge							
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT), ZI HR/DAY/WEEK/MTH/YEAR/JOB/RUN HOURS	1.00 H 1	EA	1,139.00	1,139.00		1,139.00

Primary Plant: Fort Lupton, CO
Secondary Plant: Fort Lupton, CO

Price Book Ref: 28 - ROCKIES
Price Date: 3/9/2016

4 Production NeoCem Option

4.1 Job Information Production NeoCem Option

Job Criticality Status: GREEN

Well Name: ECCV

Well #: DI-2

Surface Casing 0 - 1750 ft (MD)

Outer Diameter	10.75 in
Inner Diameter	9.95 in
Linear Weight	45.5 lbm/ft
Casing Grade	J-55
Thread Type	STC

Open Hole 1750 - 9150 ft (MD)

Inner Diameter	9.875 in
Excess Factor	15 %

Production Casing 0 - 9150 ft (MD)

Outer Diameter	7.625 in
Inner Diameter	6.875 in
Linear Weight	29.7 lbm/ft
Casing Grade	P-110
Thread Type	LTC

Multiple Stage Cementer 7100 ft (MD)

Multiple Stage Cementer 2400 ft (MD)

Mud Type	Water Based Mud
Mud Weight	9.2 lbm/gal

4.2 Estimated Calculations Production NeoCem Option

Stage 1

MUD: (6191 ft fill)

4441 ft * 0.2148 ft ³ /ft * 15 %	= 1096.71 ft ³
1750 ft * 0.2229 ft ³ /ft * 0 %	= 390.02 ft ³
Total Mud	= 1486.73 ft ³
	= 264.8 bbl

SPACER: (909 ft fill)

909 ft * 0.2148 ft ³ /ft * 15 %	= 224.58 ft ³
Total Spacer	= 224.58 ft ³
	= 40 bbl

CEMENT: (2050 ft fill)

2050 ft * 0.2148 ft ³ /ft * 15 %	= 506.29 ft ³
12.8 NeoCem	= 506.29 ft ³
	= 90.2 bbl

Total Tail	= 226.80 sack
------------	---------------

Total Pipe Capacity:

1750 ft * 0.2578 ft ³ /ft	= 451.14 ft ³
7400 ft * 0.2578 ft ³ /ft	= 1907.68 ft ³
	= 420.1 bbl

Stage 2

CEMENT: (6700 ft fill)

4950 ft * 0.2148 ft ³ /ft * 15 %	= 1222.51 ft ³
1750 ft * 0.2229 ft ³ /ft * 0 %	= 390.02 ft ³
12.8# NeoCem	= 1612.53 ft ³
	= 287.2 bbl
Total Lead	= 722.13 sack

CEMENT: (400 ft fill)

400 ft * 0.2148 ft ³ /ft * 15 %	= 98.79 ft ³
15.8 HalCem Tail	= 98.79 ft ³
	= 17.6 bbl

Total Tail = 65.01 sack

Total Pipe Capacity:

1750 ft * 0.2578 ft³/ft = 451.14 ft³

5350 ft * 0.2578 ft³/ft = 1379.2 ft³

= 326 bbl

Stage 3

CEMENT: (2400 ft fill)

650 ft * 0.2148 ft³/ft * 15 % = 160.53 ft³

1750 ft * 0.2229 ft³/ft * 0 % = 390.02 ft³

13.5# SwiftCem = 550.55 ft³

= 98.1 bbl

Total Tail = 317.09 sack

Total Pipe Capacity:

1750 ft * 0.2649 ft³/ft = 463.56 ft³

650 ft * 0.2649 ft³/ft = 172.18 ft³

= 113.2 bbl

4.3 Job Volume Estimates Production NeoCem Option

Stage 1

Fluid 1: Water Based Mud

Water Based Mud

Fluid Density: 9.2 lbm/gal

Volume: 264.8 bbl

Fluid 2: Rheologically Enhanced Spacer

11.5 lb/gal Tuned Spacer III

Fluid Density: 11.5 lbm/gal

36.09 gal/bbl FRESH WATER

Volume: 40 bbl

0 lbm/bbl FE-2

0 gal/bbl Musol(R) A

0 gal/bbl Pen-5M

0 gal/bbl Dual Spacer Surfactant B

146.50 lbm/bbl Barite

Fluid 3: Lead Slurry

NeoCem TM

Fluid Weight: 12.8 lbm/gal

10.53 Gal/sk FRESH WATER

Slurry Yield: 2.233 ft³/sack

Total Mixing Fluid: 10.53 Gal/sack

Volume: 90.2 bbl

Top Of Fluid: 7100 ft

Calculated Fill: 2050 ft

Calculated sack: 226.73 sack

Proposed sack: 230 sack

Fluid 4: Fresh Water

Fresh Water Displacement

Fluid Density: 8.4 lbm/gal

Volume: 94.1 bbl

Fluid 5: Water Based Mud

Mud Displacement

Fluid Density: 9.2 lbm/gal

Volume: 326 bbl

Multiple Stage Cementer

7100 ft(MD)

Stage 2

Fluid 1: Water Based Mud

Water Based Mud

Fluid Density: 9.2 lbm/gal

Volume: 0 bbl

Fluid 2: Rheologically Enhanced Spacer

11.5 lb/gal Tuned Spacer III

Fluid Density: 11.5 lbm/gal

36.09 gal/bbl FRESH WATER

Volume: 40 bbl

0 lbm/bbl FE-2
0 gal/bbl Musol(R) A
0 gal/bbl Pen-5M
0 gal/bbl Dual Spacer Surfactant B
146.50 lbm/bbl Barite

Fluid 3: Lead Slurry

NeoCem TM
10.53 Gal/sk FRESH WATER

Fluid Weight: 12.8 lbm/gal
Slurry Yield: 2.233 ft³/sack
Total Mixing Fluid: 10.53 Gal/sack
Volume: 287.2 bbl
Top Of Fluid: 0 ft
Calculated Fill: 6700 ft
Calculated sack: 722.13 sack
Proposed sack: 730 sack

Fluid 4: Tail Slurry

HALCEM (TM) SYSTEM
6.18 Gal/sk FRESH WATER

Fluid Weight: 15.8 lbm/gal
Slurry Yield: 1.52 ft³/sack
Total Mixing Fluid: 6.19 Gal/sack
Volume: 17.6 bbl
Top Of Fluid: 6700 ft
Calculated Fill: 400 ft
Calculated sack: 64.99 sack
Proposed sack: 70 sack

Fluid 5: Fresh Water

Fresh Water Displacement

Fluid Density: 8.4 lbm/gal
Volume: 326 bbl

Multiple Stage Cementer

2400 ft(MD)

Stage 3

Fluid 1: Water Based Mud
Water Based Mud

Fluid Density: 9.4 lbm/gal
Volume: 0 bbl

Fluid 2: Lead Slurry

SWIFTCEM (TM) SYSTEM
9.15 Gal/sk FRESH WATER

Fluid Weight: 13.5 lbm/gal
Slurry Yield: 1.737 ft³/sack
Total Mixing Fluid: 9.15 Gal/sack
Volume: 98.1 bbl
Top Of Fluid: 0 ft
Calculated Fill: 2400 ft
Calculated sack: 316.95 sack

	Proposed sack:	320 sack
Fluid 3: Fresh Water		
Fresh Water Displacement	Fluid Density:	8.4 lbm/gal
	Volume:	113.2 bbl

4.4 Volume Estimate Table Production NeoCem Option

Calculations are used for volume estimation. Well conditions will dictate final cement job design.

Stage 1

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate	Downhole Volume
1	MUD	Water Based Mud	9.2		264.8 bbl
2	SPACER	11.5 lb/gal Tuned Spacer III	11.5		40 bbl
3	CEMENT	12.8 NeoCem	12.8		91.5 bbl
4	MUD	Fresh Water Displacement	8.4		94.1 bbl
5	MUD	Mud Displacement	9.2		326 bbl

Stage 2

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate	Downhole Volume
1	MUD	Water Based Mud	9.2		0 bbl
2	SPACER	11.5 lb/gal Tuned Spacer III	11.5		40 bbl
3	CEMENT	12.8# NeoCem	12.8		290.3 bbl
4	CEMENT	15.8 HalCem Tail	15.8		70 sack
5	MUD	Fresh Water Displacement	8.4		326 bbl

Stage 3

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate	Downhole Volume
1	MUD	Water Based Mud	9.4		0 bbl
2	CEMENT	13.5# SwiftCem	13.5		320 sack
3	MUD	Fresh Water Displacement	8.4		113.2 bbl

NOTE: These slurries and spacers will require lab testing. The additives and concentrations are estimates based on field experience in the area and may need to be modified prior to the job. The proposed spacer is designed to be

generally compatible with water base mud systems. Compatibility testing with field mud samples used may indicate changes in the additive package and the related costs.

4.5 Cost Estimate

Mtrl Nbr	Description	Qty	UOM	Unit Price	Gross Amt	Discount \$	Net Amount
392189	CMT MULTIPLE STAGES BOM	1.00	JOB	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW Number of Units	20.00 1	MI	5.76	115.20	92.16	23.04
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	20.00 1	MI	9.79	195.80	156.64	39.16
16093	MSC PUMP CHARGE (1ST STAGE), ZI FEET/METERS (FT/M) DEPTH	1.00 FT 9150	EA	13,534.00	13,534.00	10,827.20	2,706.80
16	MULTIPLE STAGE CEMENTING Number of Units	2.00 1	STG	5,055.00	10,110.00	8,088.00	2,022.00
76400	MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	10.00 88.12	MI	3.35	2,952.02	2,361.62	590.40
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI Unit of Measurement NUMBER OF EACH	2,379.00 EA 4	CF	5.49	52,242.84	41,794.27	10,448.57
First Stage							
11.5# Tuned Spacer III							
483826	SBM, CMT, Tuned Spacer III	40.00	BBL	293.00	11,720.00	9,610.40	2,109.60
100003681	CHEM, BARITE, BULK <i>Barite</i>	59.00	SK	31.07	1,833.13	1,503.17	329.96
12.8# NeoCem							
984579	SBM CEM NEOCEM™ BBL	92.00	BBL	300.00	27,600.00	22,080.00	5,520.00
Second Stage							
11.5#Tuned Spacer III							
483826	SBM, CMT, Tuned Spacer III	40.00	BBL	293.00	11,720.00	9,610.40	2,109.60
100003681	CHEM, BARITE, BULK <i>Barite</i>	59.00	SK	31.07	1,833.13	1,503.17	329.96
12.8# NeoCem							
984579	SBM CEM NEOCEM™ BBL	291.00	BBL	300.00	87,300.00	69,840.00	17,460.00
15.8# HalCem Tail							
452986	CMT, HalCem (TM) system	70.00	SK	0.00	7,097.23	5,819.72	1,277.51
Third Stage							
13.5# SwiftCem							
452990	CMT, SwiftCem (TM) system	320.00	SK	0.00	17,833.51	14,801.82	3,031.69
	Total Gross Amount						246,086.86
	Total Item Discounts						198,088.57
	Total Net Amount	USD					47,998.29

Mtrl Nbr	Description	Qty	UOM	Unit Price	Gross Amt	Discount \$	Net Amount
Optional Charge							
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT), ZI HR/DAY/WEEK/MTH/YEAR/JOB/RUN HOURS	1.00 H 1	EA	1,139.00	1,139.00		1,139.00

Primary Plant: Fort Lupton, CO
Secondary Plant: Fort Lupton, CO

Price Book Ref: 28 - ROCKIES
Price Date: 3/9/2016

5 Production Single Blend 1st

5.1 Job Information Production Single Blend 1st

Job Criticality Status: GREEN

Well Name: ECCV

Well #: DI-2

Surface Casing 0 - 1750 ft (MD)

Outer Diameter	10.75 in
Inner Diameter	9.95 in
Linear Weight	45.5 lbm/ft
Casing Grade	J-55
Thread Type	STC

Open Hole 1750 - 9150 ft (MD)

Inner Diameter	9.875 in
Excess Factor	15 %

Intermediate Casing 0 - 9150 ft (MD)

Outer Diameter	7.625 in
Inner Diameter	6.875 in
Linear Weight	29.7 lbm/ft
Casing Grade	P-110
Thread Type	LTC

Multiple Stage Cementer 7100 ft (MD)

Multiple Stage Cementer 2400 ft (MD)

Mud Type	Water Based Mud
Mud Weight	9.2 lbm/gal

5.2 Estimated Calculations Production Single Blend 1st

Stage 1

MUD: (6101 ft fill)

$4351 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} * 15 \%$	= 1074.67 ft ³
$1750 \text{ ft} * 0.2229 \text{ ft}^3/\text{ft} * 0 \%$	= 390.02 ft ³
Total Mud	= 1464.69 ft ³
	= 260.9 bbl

SPACER: (909 ft fill)

$909 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} * 15 \%$	= 224.58 ft ³
Total Spacer	= 224.58 ft ³
	= 40 bbl

CEMENT: (2139 ft fill)

$2139 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} * 15 \%$	= 528.33 ft ³
13.8# Primary ExpandaCem	= 528.33 ft ³
	= 94.1 bbl

Total Tail	= 315.99 sack
------------	---------------

Total Pipe Capacity:

$1750 \text{ ft} * 0.2649 \text{ ft}^3/\text{ft}$	= 463.56 ft ³
$7400 \text{ ft} * 0.2649 \text{ ft}^3/\text{ft}$	= 1960.2 ft ³
	= 431.7 bbl

Stage 2

CEMENT: (6600 ft fill)

$4850 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} * 15 \%$	= 1197.81 ft ³
$1750 \text{ ft} * 0.2229 \text{ ft}^3/\text{ft} * 0 \%$	= 390.02 ft ³
13.2# ElastiCem Lead	= 1587.83 ft ³
	= 282.8 bbl
Total Lead	= 1011.34 sack

CEMENT: (500 ft fill)

$500 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} * 15 \%$	= 123.49 ft ³
15.8 HalCem Tail	= 123.49 ft ³
	= 22 bbl

Total Tail = 81.26 sack

Total Pipe Capacity:

1750 ft * 0.2649 ft ³ /ft	= 463.56 ft ³
5350 ft * 0.2649 ft ³ /ft	= 1417.17 ft ³
	= 335 bbl

Stage 3

CEMENT: (2400 ft fill)

650 ft * 0.2148 ft ³ /ft * 15 %	= 160.53 ft ³
1750 ft * 0.2229 ft ³ /ft * 0 %	= 390.02 ft ³
13.5# SwiftCem	= 550.55 ft ³
	= 98.1 bbl

Total Tail = 317.09 sack

Total Pipe Capacity:

1750 ft * 0.2649 ft ³ /ft	= 463.56 ft ³
650 ft * 0.2649 ft ³ /ft	= 172.18 ft ³
	= 113.2 bbl

5.3 Job Volume Estimates Production Single Blend 1st

Stage 1

Fluid 1: Water Based Mud

Water Based Mud

Fluid Density: 9.2 lbm/gal

Volume: 260.9 bbl

Fluid 2: Rheologically Enhanced Spacer

11.5 lb/gal Tuned Spacer III

36.09 gal/bbl FRESH WATER

0 lbm/bbl FE-2

0 gal/bbl Musol(R) A

0 gal/bbl Pen-5M

0 gal/bbl Dual Spacer Surfactant B

146.50 lbm/bbl Barite

Fluid Density: 11.5 lbm/gal

Volume: 40 bbl

Fluid 3: Lead Slurry

EXPANDACEM (TM) SYSTEM

7.71 Gal/sk FRESH WATER

Fluid Weight: 13.8 lbm/gal

Slurry Yield: 1.672 ft³/sack

Total Mixing Fluid: 7.71 Gal/sack

Volume: 94.1 bbl

Top Of Fluid: 7011 ft

Calculated Fill: 2139 ft

Calculated sack: 315.99 sack

Proposed sack: 320 sack

Fluid 4: Fresh Water

Fresh Water Displacement

Fluid Density: 8.4 lbm/gal

Volume: 151 bbl

Fluid 5: Water Based Mud

Mud Displacement

Fluid Density: 9.2 lbm/gal

Volume: 280.7 bbl

Multiple Stage Cementer

7100 ft(MD)

Stage 2

Fluid 1: Water Based Mud

Water Based Mud

Fluid Density: 9.2 lbm/gal

Volume: 0 bbl

Fluid 2: Rheologically Enhanced Spacer

11.5 lb/gal Tuned Spacer III

36.09 gal/bbl FRESH WATER

Fluid Density: 11.5 lbm/gal

Volume: 40 bbl

0 lbm/bbl FE-2
0 gal/bbl Musol(R) A
0 gal/bbl Pen-5M
0 gal/bbl Dual Spacer Surfactant B
146.50 lbm/bbl Barite

Fluid 3: Lead Slurry

ELASTICEM (TM) SYSTEM
6.94 Gal/sk FRESH WATER

Fluid Weight: 13.2 lbm/gal
Slurry Yield: 1.57 ft³/sack
Total Mixing Fluid: 7.51 Gal/sack
Volume: 282.8 bbl
Top Of Fluid: 0 ft
Calculated Fill: 6600 ft
Calculated sack: 1011.35 sack
Proposed sack: 1020 sack

Fluid 4: Tail Slurry

HALCEM (TM) SYSTEM
6.18 Gal/sk FRESH WATER

Fluid Weight: 15.8 lbm/gal
Slurry Yield: 1.52 ft³/sack
Total Mixing Fluid: 6.19 Gal/sack
Volume: 22 bbl
Top Of Fluid: 6600 ft
Calculated Fill: 500 ft
Calculated sack: 81.24 sack
Proposed sack: 90 sack

Fluid 5: Fresh Water

Fresh Water Displacement

Fluid Density: 8.4 lbm/gal
Volume: 335 bbl

Multiple Stage Cementer

2400 ft(MD)

Stage 3

Fluid 1: Water Based Mud
Water Based Mud

Fluid Density: 9.4 lbm/gal
Volume: 0 bbl

Fluid 2: Lead Slurry

SWIFTCHEM (TM) SYSTEM
9.15 Gal/sk FRESH WATER

Fluid Weight: 13.5 lbm/gal
Slurry Yield: 1.737 ft³/sack
Total Mixing Fluid: 9.15 Gal/sack
Volume: 98.1 bbl
Top Of Fluid: 0 ft
Calculated Fill: 2400 ft
Calculated sack: 316.95 sack

	Proposed sack:	320 sack
Fluid 3: Fresh Water		
Fresh Water Displacement	Fluid Density:	8.4 lbm/gal
	Volume:	113.2 bbl

5.4 Volume Estimate Table Production Single Blend 1st

Calculations are used for volume estimation. Well conditions will dictate final cement job design.

Stage 1

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate	Downhole Volume
1	MUD	Water Based Mud	9.2		260.9 bbl
2	SPACER	11.5 lb/gal Tuned Spacer III	11.5		40 bbl
3	CEMENT	13.8# Primary ExpandaCem	13.8		320 sack
4	MUD	Fresh Water Displacement	8.4		151 bbl
5	MUD	Mud Displacement	9.2		280.7 bbl

Stage 2

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate	Downhole Volume
1	MUD	Water Based Mud	9.2		0 bbl
2	SPACER	11.5 lb/gal Tuned Spacer III	11.5		40 bbl
3	CEMENT	13.2# ElastiCem Lead	13.2		1020 sack
4	CEMENT	15.8 HalCem Tail	15.8		90 sack
5	MUD	Fresh Water Displacement	8.4		335 bbl

Stage 3

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate	Downhole Volume
1	MUD	Water Based Mud	9.4		0 bbl
2	CEMENT	13.5# SwiftCem	13.5		320 sack
3	MUD	Fresh Water Displacement	8.4		113.2 bbl

NOTE: These slurries and spacers will require lab testing. The additives and concentrations are estimates based on field experience in the area and may need to be modified prior to the job. The proposed spacer is designed to be generally compatible with water base mud systems. Compatibility testing with field mud samples used may indicate changes in the additive package and the related costs.

5.5 Cost Estimate

Mtrl Nbr	Description	Qty	UOM	Unit Price	Gross Amt	Discount \$	Net Amount
392189	CMT MULTIPLE STAGES BOM	1.00	JOB	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW Number of Units	20.00 1	MI	5.76	115.20	92.16	23.04
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	20.00 1	MI	9.79	195.80	156.64	39.16
16093	MSC PUMP CHARGE (1ST STAGE), ZI FEET/METERS (FT/M) DEPTH	1.00 FT 9150	EA	13,534.00	13,534.00	10,827.20	2,706.80
16	MULTIPLE STAGE CEMENTING Number of Units	2.00 1	STG	5,055.00	10,110.00	8,088.00	2,022.00
76400	MILEAGE,CMT MTLS DEL/RET MIN NUMBER OF TONS	10.00 90.522	MI	3.35	3,032.49	2,425.99	606.50
3965	HANDLE&DUMP SVC CHRQ, CMT&ADDITIVES,ZI Unit of Measurement NUMBER OF EACH	2,267.00 EA 4	CF	5.49	49,783.32	39,826.66	9,956.66
First Stage							
11.5# Tuned Spacer III							
483826	SBM, CMT, Tuned Spacer III	40.00	BBL	293.00	11,720.00	9,610.40	2,109.60
100003681	CHEM, BARITE, BULK <i>Barite</i>	59.00	SK	31.07	1,833.13	1,503.17	329.96
13.8# ExpandaCem							
452979	CMT, ExpandaCem (TM) system	320.00	SK	0.00	42,153.20	34,987.18	7,166.02
Second Stage							
11.5# Tuned Spacer II							
483826	SBM, CMT, Tuned Spacer III	40.00	BBL	293.00	11,720.00	9,610.40	2,109.60
100003681	CHEM, BARITE, BULK <i>Barite</i>	59.00	SK	31.07	1,833.13	1,503.17	329.96
13.2# ElastiCem							
450261	CMT, ElastiCem ® system	1,020.00	SK	0.00	102,017.51	84,674.52	17,342.99
15.8# HalCem							
452986	CMT, HalCem (TM) system	90.00	SK	0.00	9,143.07	7,497.31	1,645.76
Third Stage							
13.5# SwiftCem Primary							
452990	CMT, SwiftCem (TM) system	320.00	SK	0.00	17,833.51	14,801.82	3,031.69
	Total Gross Amount						275,024.36
	Total Item Discounts						225,604.62
	Total Net Amount	USD					49,419.74

Mtrl Nbr	Description	Qty	UOM	Unit Price	Gross Amt	Discount \$	Net Amount
Optional Charge							
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT), ZI HR/DAY/WEEK/MTH/YEAR/JOB/RUN HOURS	1.00 H 1	EA	1,139.00	1,139.00		1,139.00

Primary Plant: Fort Lupton, CO
Secondary Plant: Fort Lupton, CO

Price Book Ref: 28 - ROCKIES
Price Date: 3/9/2016

6 Proposal Cost Summary

Job Name	Cost
10 3/4" Surface	13,457.90
Production NeoCem Option	47,998.29
Production Single Blend 1st	49,419.74
Total Cost USD	110,875.93

7 Conditions

The cost in this analysis is good for the materials and/or services outlined within and shall be valid for 30 days from the date of this proposal. In order to meet your needs under this proposal with a high quality of service and responsive timing, Halliburton will be allocating limited resources and committing valuable equipment and materials to your area of operations. Accordingly, the discounts reflected in this proposal are available only for materials and services awarded on a first-call basis. Alternate pricing may apply in the event that Halliburton is awarded work on any basis other than as a first-call provider.

The unit prices stated in the proposal are based on our current published prices. The projected equipment, personnel, and material needs are only estimates based on information about the work presently available to us. At the time the work is actually performed, conditions then existing may require an increase or decrease in the equipment, personnel, and/or material needs. Charges will be based upon unit prices in effect at the time the work is performed and the amount of equipment, personnel, and/or material actually utilized in the work. Taxes, if any, are not included. Applicable taxes, if any, will be added to the actual invoice.

It is understood and agreed between the parties that with the exception of the subject discounts, all services performed and equipment and materials sold are provided subject to Halliburton's General Terms and Conditions contained in our current price list, (which include LIMITATION OF LIABILITY and WARRANTY provisions), and pursuant to the applicable Halliburton Work Order Contract (whether or not executed by you), unless a Master Service and/or Sales Contract applicable to the services, equipment, or materials supplied exists between your company and Halliburton, in which case the negotiated Master Contract shall govern the relationship between the parties. A copy of the latest version of our General Terms and Conditions is available from your Halliburton representative or at: <http://www.halliburton.com/terms> for your convenient review, and we would appreciate receiving any questions you may have about them. Should your company be interested in negotiating a Master Contract with Halliburton, our Law Department would be pleased to work with you to finalize a mutually agreeable contract. In this connection, it is also understood and agreed that Customer will continue to execute Halliburton usual field work orders and/or tickets customarily required by Halliburton in connection with the furnishing of said services, equipment, and materials.

Any terms and conditions contained in purchase orders or other documents issued by the customer shall be of no effect except to confirm the type and quantity of services, equipment, and materials to be supplied to the customer.

If customer does not have an approved open account with Halliburton or a mutually executed written contract with Halliburton, which dictates payment terms different than those set forth in this clause, all sums due are payable in cash at the time of performance of services or delivery of equipment, products, or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice.

Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.